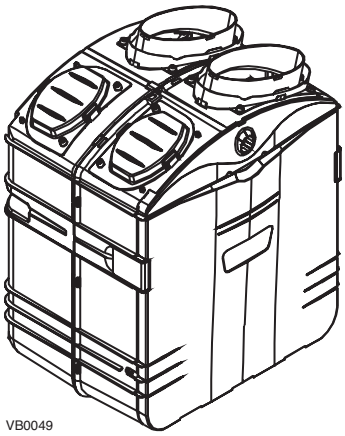
INSTALLATION INSTRUCTIONS AND USER MANUAL

MODELS

HEPA 3.2* and THH 1.0*



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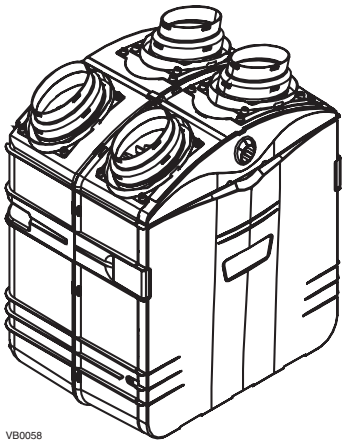

VB0058

*Patents pending

NOTE: HEPA 3.2 model available in Canada only.
For United States, use Venmar HEPA 1000 model.

RESIDENTIAL USE ONLY

READ AND SAVE THESE INSTRUCTIONS

INSTALLER: LEAVE THIS MANUAL WITH CONSUMER.
HOMEOWNER: USE AND CARE INFORMATION
ON PAGES 22, 25, 28, 29 and 30.

05438 rev E

ABOUT THIS MANUAL

First, we want to congratulate you on your purchase of this excellent unit which will allow you and your family to enjoy clean and healthy air throughout your home for years to come!
The illustrations in this publication are typical ones. Some details of your unit may be slightly different than the ones shown.

Please take note that this manual uses the following symbols to emphasize particular information:

⚠ WARNING

Identifies an instruction which, if not followed, might cause serious personal injuries including possibility of death.

CAUTION

Denotes an instruction which, if not followed, may severely damage the unit and/or its components.

NOTE: Indicates supplementary information needed to fully complete an instruction.

We welcome any suggestions you may have concerning this manual and/or the unit, and we would appreciate hearing your comments on ways to better serve you. Please contact us at the address listed in the warranty text, at the end of this manual.

ABOUT THESE UNITS

⚠ WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSON(S) OBSERVE THE FOLLOWING:

1. **This unit is intented for residential installation only.**
2. **Installation must be done in accordance with all applicable codes and standards, including fire-rated construction codes and standards.**
3. **This unit is not designed to provide combustion and/or dilution air for fuel-burning appliances.**
4. **Do not install in a cooking area or connect directly to an appliance.**
5. **Before replacing filters, servicing or cleaning unit, disconnect the power cord from electrical outlet.**
6. **When cutting or drilling into wall or ceiling, do not damage electrical wiring or other hidden utilities.**
7. **Do not use this unit with any solid-state speed control device other than wall controls #04862 or #05439 (for HEPA 3.2 unit) and #04391 or #05536 (for THH 1.0 unit) (all control devices sold separately).**
8. **This unit must be grounded. The power supply cord has a 3-prong grounding plug for your personal safety. It must be plugged into a mating 3-prong grounding receptacle, grounded in accordance with the national electrical code and local codes and ordinances. Do not remove the ground prong. Do not use an extension cord.**
9. **This unit must be installed in a weatherized location out of direct sunlight and protected from the elements.**
10. **Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer at the address or telephone number listed in this document.**
11. **For general filtration and ventilation use only. Do not use to exhaust hazardous or explosive materials and vapors.**

CAUTION

1. **Intended for residential installation only in accordance with the requirements of NFPA 90B.**
2. **Do not run any air ducts directly above or closer than 2 ft (0.61 m) to any furnace or its supply plenum, boiler, or other heat producing appliance.**
   - **2.1 For HEPA 3.2 unit only, if a duct has to be connected to the furnace return plenum, it must be connected not closer than 2 ft (0.61 m) from this plenum connection to the furnace.**
   - **2.2 For THH 1.0 unit only, if a duct has to be connected to the furnace return plenum, it must be connected not closer than 9'10" (3 m) from this plenum connection to the furnace.**
3. **The ductwork is intended to be installed in compliance with all local and national codes that are applicable.**
4. **To avoid prematurate clogged filters, turn OFF the unit during construction or renovation.**
5. **Please read the unit specification label on the product for further information and requirements.**

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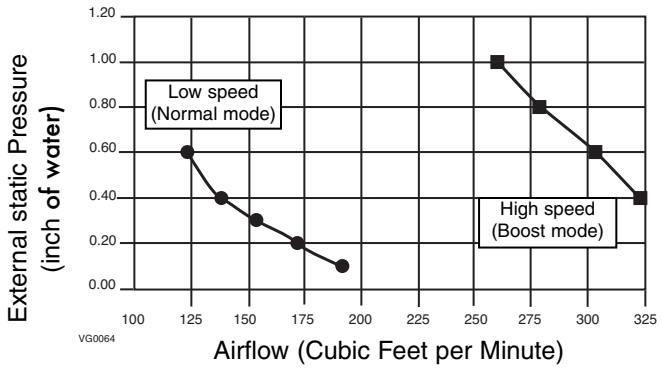
1. TECHNICAL DATA

1.1 Performance Charts

HEPA 3.2 Filtration Airflow



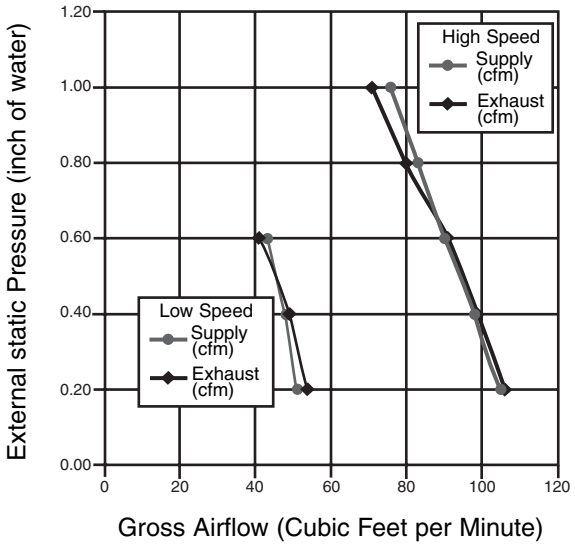
THH 1.0 Ventilation Performance

Low Speed

EXT. STATIC PRESSURE		NET SUPPLY AIR FLOW			GROSS AIR FLOW SUPPLY			GROSS AIR FLOW EXHAUST		
Pa	in.w.g.	l/s	cfm	m ³/h	l/s	cfm	m ³/h	l/s	cfm	m ³/h
50	.2	23	48	82	24	51	87	26	54	92
100	.4	21	45	76	23	48	82	23	49	83
150	.6	19	40	68	20	43	73	19	41	70

High Speed

EXT STATIC PRESSURE		NET SUPPLY AIR FLOW			GROSS AIR FLOW SUPPLY			GROSS AIR FLOW EXHAUST		
Pa	in.w.g	l/s	cfm	m ³/h	l/s	cfm	m ³/h	l/s	cfm	m ³/h
50	.2	47	100	170	50	105	178	50	106	180
100	.4	44	93	158	46	98	165	46	99	167
150	.6	41	86	146	42	90	155	43	91	155
200	.8	37	79	134	39	83	141	38	80	136
250	1.00	34	73	124	36	76	129	33	71	121



THH 1.0 Energy Performance

SUPPLY TEMPERATURE C°	F°	NET AIR FLOW l/s	cfm	m ³/h	POWER CONSUMED WATTS	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS
HEATING							
0	+32	24	52	87	116	63	85
0	+32	35	74	126	147	59	75
0	+32	44	94	158	189	57	75
-25	-13	16	35	59	114	58	95
COOLING					TOTAL RECOVERY EFFICIENCY		
+35	+95	—	—	—	Not tested		
+35	+95	—	—	—			

1.2 Specifications

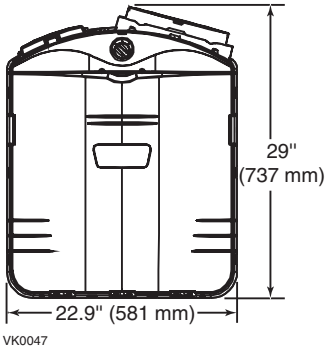
Model	HEPA 3.2	THH 1.0
Weight	34 lbs (15.4 kg)	41.2 lbs (18.7 kg)
Performance	180 cfm low speed, 320 cfm high speed	50 cfm low speed, 90 cfm high speed
Oval Ports	fit two 8” round ducts	fit four 5” or 6” round ducts
Installation: Suspension	4 Chains, springs and hooks (included with the unit)	
Electrical Supply	120 Volts AC, 60 Hz	
Power Consumption (“Boost”)	170 Watts	192 Watts
Power Consumption (“Normal”)	105 Watts	110 Watts

NOTE : All specifications are subjected to change without notice.

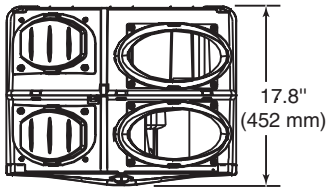
1. TECHNICAL DATA (CONT'D)

1.3 Dimensions

HEPA 3.2

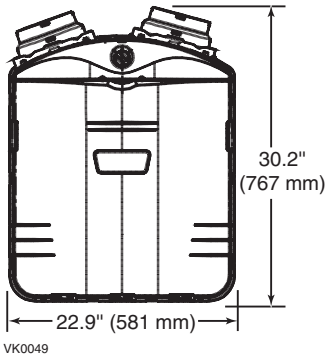


FRONT VIEW

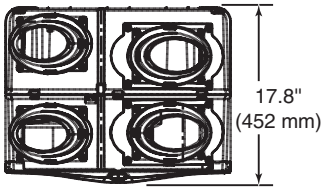


TOP VIEW

THH 1.0



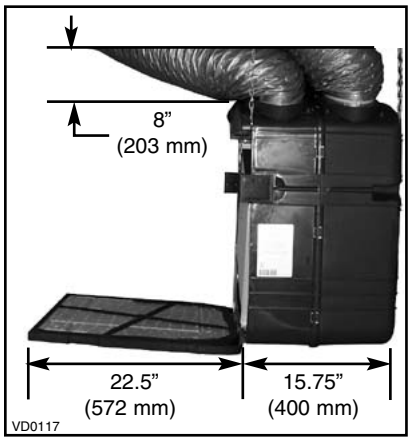
FRONT VIEW

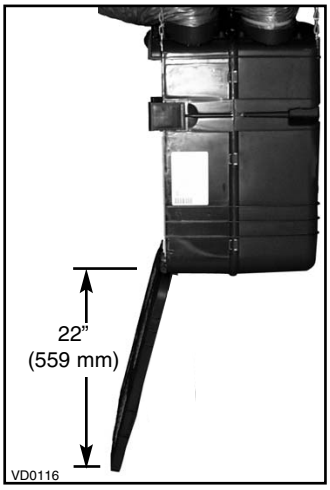


TOP VIEW

1.4 Mounting and Servicing Considerations

- The two following pictures are showing the minimum clearance needed to open the door completely.





NOTES: 1. A minimum of 8" (203 mm) clearance from any obstruction on top of the unit is required for the ductwork radius turn.
2. A grounded three-prong electrical outlet has to be available within 3 feet from the unit.

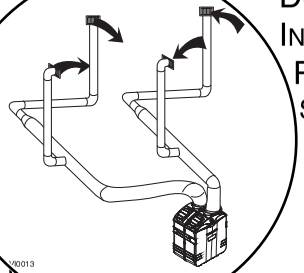
2. HEPA 3.2 UNIT INSTALLATION

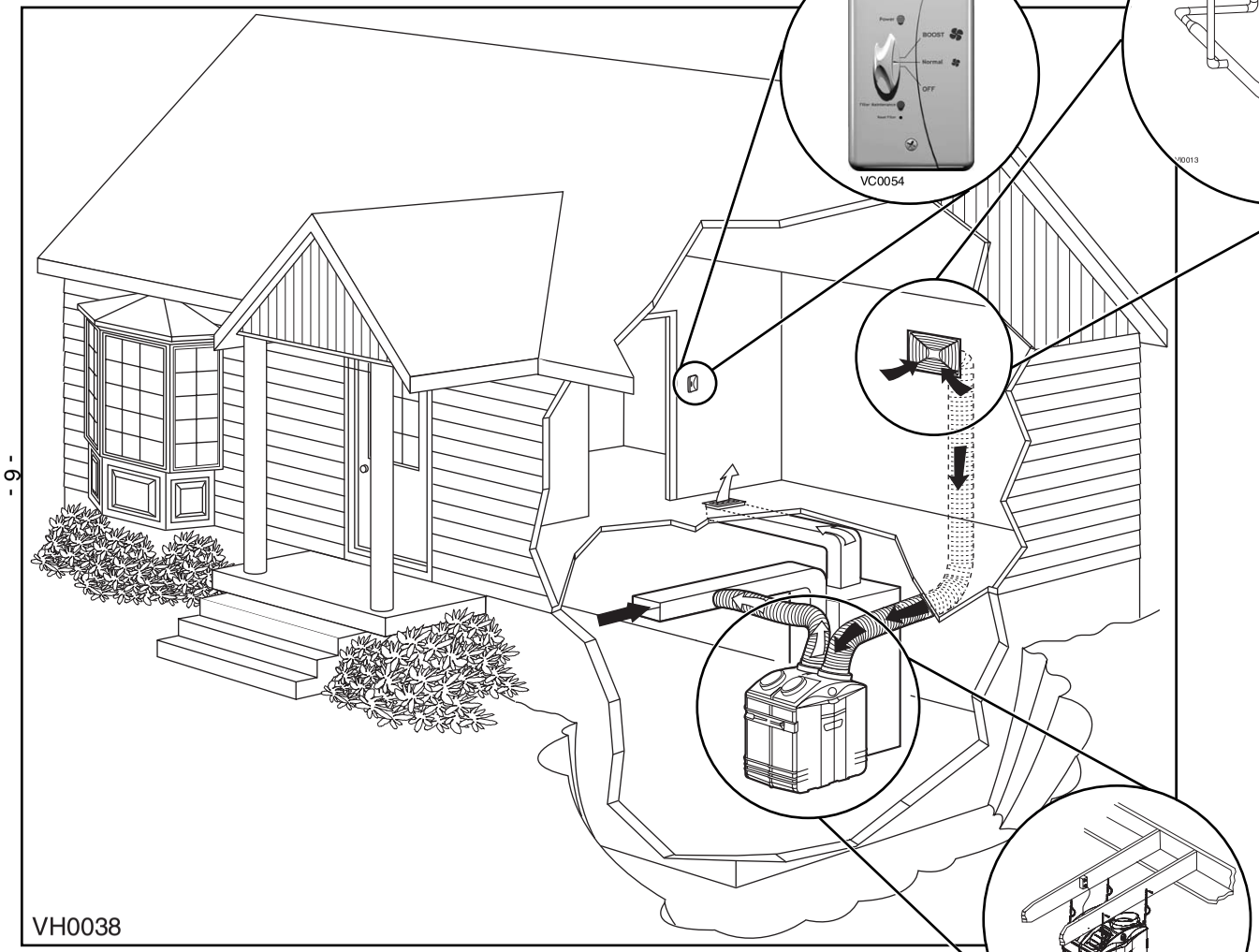
INSTALLATION TYPE SHOWN: CENTRAL DRAW POINT
SEE SECTION 2.8.2

SECTION 4: CONTROL

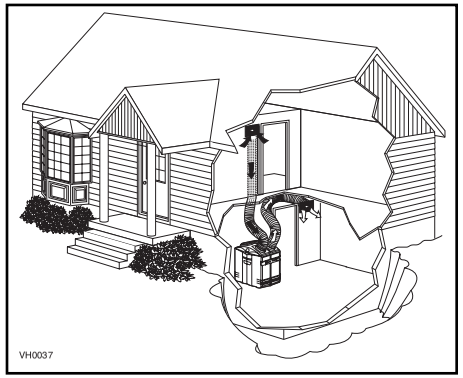
VC0054

DUCT SIZE,
INSTALLING DUCTWORK AND REGISTERS
SEE SECTIONS 2.7 AND 2.8

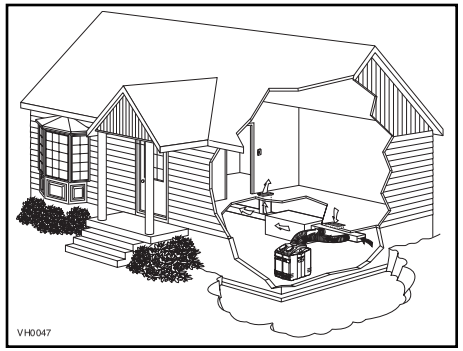

VD0013


VH0038

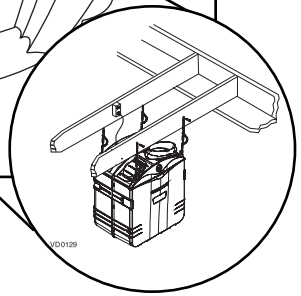
STAND ALONE INSTALLATION
SEE SECTION 2.8.1


VH0037

RETURN-RETURN INSTALLATION
SEE SECTION 2.8.3


VH0047

HOW TO HANG THE UNIT
SEE SECTION 2.5


VD0129

2. HEPA 3.2 UNIT INSTALLATION (CONT'D)

2.1 Inspect the Content of the Box

⚠ WARNING

To avoid risk of suffocation, discard the plastic bag wrapping the unit.

- Inspect the exterior of the unit for shipping damage. Ensure there is no damage to the door, door latches, main switch, etc.

CAUTION

Remove the cardboard strip inside the unit.

- Inspect the interior of the unit for damage. Ensure the blower assembly, insulation, prefilter, HEPA filter, etc. are all intact.
- If the unit was damaged during shipping, contact your local distributor.

2.2 Locating and Mounting the Unit

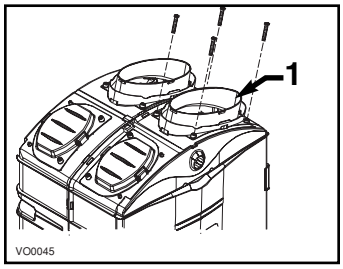
Choose an appropriate location for the unit.

- Within an area of the house where the ambient temperature is between 10°C (50°F) and 30°C (86°F) (basement, furnace room, closet, etc.).
- So as to provide easy access to the interior of the unit, for filter maintenance.
- Away from hot chimneys and other fire hazards.

2.3 Mount the Ports on the Unit

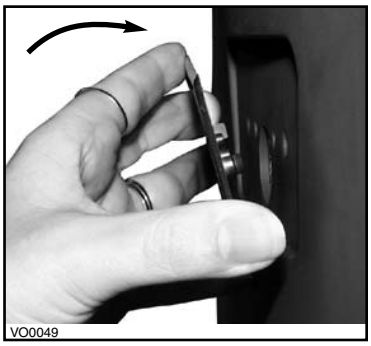
Mount the 8" (HEPA 3.2 unit) oval ports on the top of the unit using the screws provided in the hardware box (4 screws #8 x 3/4" long per port).

NOTE: If an optional wall control has to be installed, do not install the front oval port (**1**) at this time.



2.4 Mount the Nameplate on the Unit

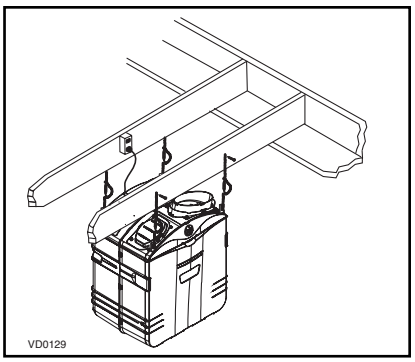
Select your company nameplate (Venmar or vänEE) and snap it on the unit door. Discard the other nameplate.



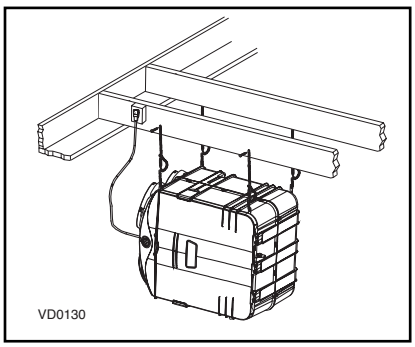
2.5 How to Hang the Unit

Use the 4 chains and springs in the hardware pack provided with the unit. According to your needs, you can install the unit either in vertical or horizontal position.

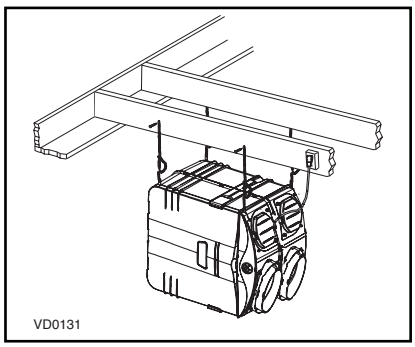
Vertical position



Horizontal position (left side)



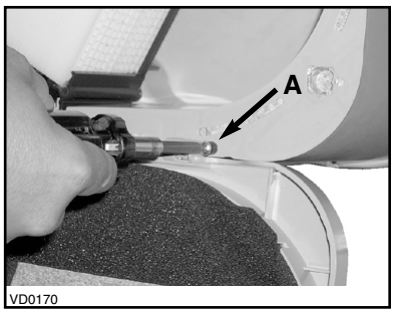
Horizontal position (right side)



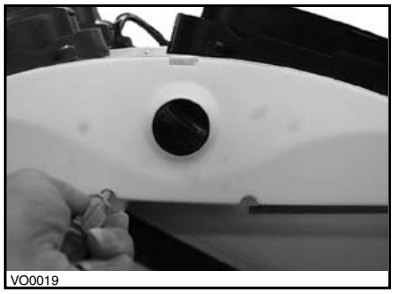
2. HEPA 3.2 UNIT INSTALLATION (CONT'D)

2.5 How to Hang the Unit (cont'd)

- Turn the switch knob to OFF position in order to unlock the door. Unlatch the door and open it.



NOTE: If preferred, the door can be removed. First, remove the stopper (**A**) located on the right side of the door hinge, then, slide the door out of its hinge.

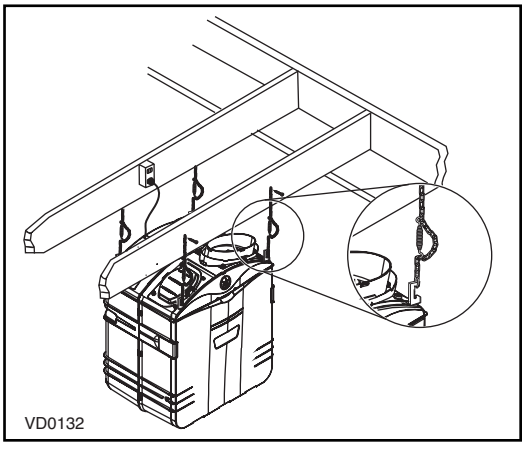


- Using a screwdriver, remove the 2 retaining screws of the front plate and carefully remove the front plate from the unit.

- Insert the 4 hooks in the square holes and fix them to the unit using 4 screws #8 - 32 x 3/4".

NOTE: If an optional wall controll has to be installed, go to Section 4.0 on pages 20 to 22. If not, continue the installation.

- Reinstall the front plate, the door and the door stopper.



- Hang the unit to the floor joist, using 4 #8 x 1 1/2" screws, 4 chains and 4 spings. See illustration beside.

2. HEPA 3.2 UNIT INSTALLATION (CONT'D)

2.6 Planning of the Ductwork

CAUTION

Do not attempt to recover the exhaust air from a dryer or a range hood. This would cause clogging of the filters.

- Follow the instructions in Section 2.7 below to determine the appropriate duct diameters for your system. Do not use branch lines smaller than 6"ø (152 mm) diameter.
- Do not use wall cavities as ducts.
- Keep it simple. Plan for a minimum of bends and joints.
- Do not ventilate crawl spaces or cold rooms.
- If the house has two floors or more, be sure to plan for at least one exhaust register at the highest lived-in level of the house.

2.7 Calculating the Duct Size

Use the table below to ensure that the ducts you intend to install will be carrying air flows around the recommended values. Avoid installing ducts that will have to carry air flows near the maximum values and never install a duct if its airflow exceed the maximum value.

Duct Diameter	Recommended Air Flow			Maximum Air Flow		
6"(152 mm)	120 cfm	57 l/s	204 m^3/h	180 cfm	85 l/s	306 m^3/h
7"(178 mm)	185 cfm	87 l/s	314 m^3/h	270 cfm	127 l/s	459 m^3/h
8"(203 mm)	260 cfm	123 l/s	442 m^3/h	380 cfm	179 l/s	645 m^3/h

NOTE: Examples 2.7.1 and 2.7.2 use imperial measures. The same calculation applies to metric measures.

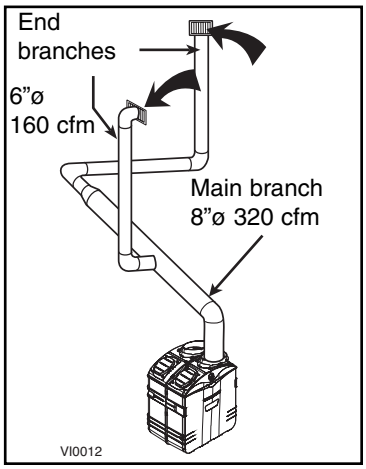
2.7.1 Example of calculation:

Problem: My installation requires two exhaust registers (one for the kitchen, one for the living room). I will connect these registers to a main duct which will connect to the unit (high speed performance value of 320 cfm). What size of duct should I use for the main exhaust duct and for the two end branches leading to the registers? (See illustration below.)

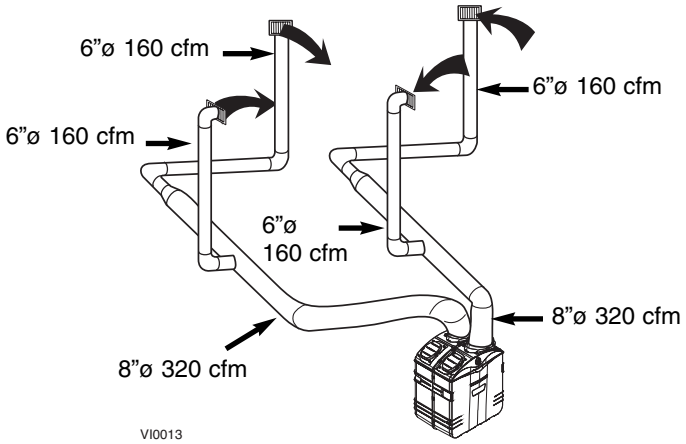
Solution: Simplified method. (For a more detailed method of calculating duct size refer to the ASHRAE or HRAI HANDBOOK).

Main duct: Table on page 8 indicates a 8" Ø: recommended air flow: 260 cfm; maximum air flow: 380 cfm. The high speed air flow of 320 cfm is close enough to the recommended value (260) and far enough of the maximum value (380). Therefore a 8"Ø duct or larger is an appropriate choice for the main exhaust duct.

End branches: Each end branch will have to transport an air flow of 160 cfm (320 divided by 2). Table on page 8 indicates a 6"Ø: recommended air flow: 120 cfm; maximum air flow: 180 cfm. The high speed air flow of 160 cfm is close enough to the recommended value (120) and far enough of the maximum value (180). Therefore a 6"Ø duct or larger is an appropriate choice for the 2 end branches.



2.7.2 Example of a design for a fully ducted system for a unit having a high speed performance of 320 cfm.



2. HEPA 3.2 UNIT INSTALLATION (CONT'D)

2.8 Installing Ductwork and Registers

2.8.1 Stand Alone System

Stale air exhaust ductwork

⚠ WARNING

Never install a stale air exhaust register in a closed room where a combustion device operates, such as a gas furnace, a gas water heater or a fireplace.

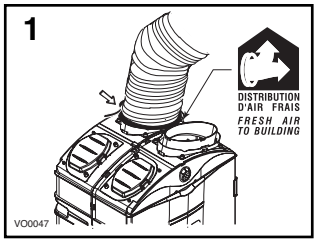
- Install the stale air exhaust registers in the areas where the contaminants are produced: kitchen, living room, etc. Position the register as far from the stairway as possible and in such a way that the air circulates in all the lived-in spaces in the house.
  NOTE: Never install a stale air exhaust register in a bathroom.
- If a register is installed in the kitchen, it must be located at least 4 feet (1.2 m) from the range.
- Install the registers 6 to 12 inches (152 to 305 mm) from the ceiling on an interior wall OR install it in the ceiling.
- Use the provided red sticker dots to identify the duct.

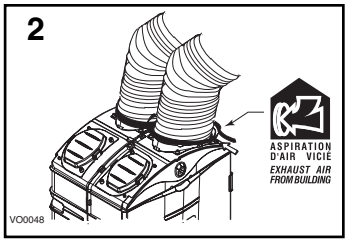
Filtered air distribution ductwork

- Install the filtered air distribution registers in the lowest level to ensure the greatest possible air circulation. Keep in mind that the filtered air registers must be located as far as possible from the stale air registers.
- Install the register in the ceiling OR 6 to 12 inches (152 to 305 mm) from the ceiling on an interior wall. The duct length should be at least 15' (4.6 m). (The filtered air will then flow through the room and mix with room air, ensuring a continuous recirculating airflow.)
- Use the provided blue sticker dots to identify the duct.

How to connect the flexible duct to the unit ports

- Each port is identified on top of the unit (see illustrations below). Attach the filtered air to building duct to its corresponding port, using tie wrap (**1**). Then, attach the exhaust air from building duct to the other port (**2**).





NOTE: Use a 8" insulated duct if the duct will have to go through extreme temperature (e.g.: in northern area, not heated attic in winter or attic not cooled in southern area). Also. if you plan to stop the unit for more than 12 hours, we recommend to cover the duct with R12 insulation.

2. HEPA 3.2 UNIT INSTALLATION (CONT'D)

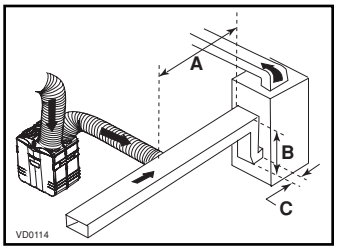
2.8 Installing Ductwork and Registers

2.8.2 Central Draw Point

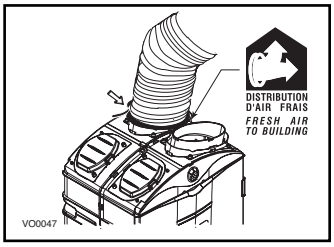
Filtered air distribution ductwork (Return side connection)

⚠ WARNING

When performing duct connections, always use approved tools and materials. Respect all corresponding laws and/or safety regulations. Please refer to your local building code.



- Locate the opening for the filtered air ductwork on the furnace / air handler return duct at a minimum linear distance of 2' (0.61 m) upstream (return side: **A**+**B**+**C**).



- Attach this duct to the ***FRESH AIR TO BUILDING*** port (see icon on the top of the unit), using tie wrap and duct tape. Use the provided blue sticker dots to identify the duct

Stale air exhaust ductwork

Same as for Stand Alone System, described in point 2.8.1.

2.8.3 Return-Return

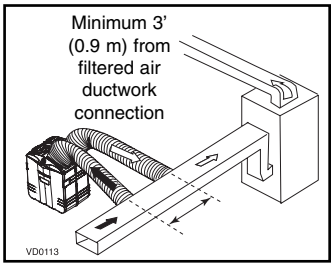
Filtered air distribution ductwork (Return side connection)

Same as for Central Draw Point, described in point 2.8.2.

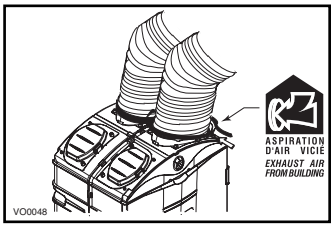
Stale air exhaust ductwork (Return side connection)

⚠ WARNING

When performing duct connections, always use approved tools and materials. Respect all corresponding laws and/or safety regulations. Please refer to your local building code.



- Locate the take-off duct opening at least 3' (0.9m) from the filtered air ductwork connection. Proceed as for the filtered air ductwork, but instead of using the blue dot sticker to identify the duct, use the red dot.



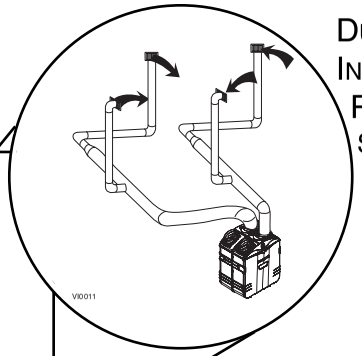
- Attach this duct to the ***EXHAUST AIR FROM BUILDING*** port (see icon on the top of the unit) using tie wrap and duct tape.

3. THH 1.0 UNIT INSTALLATION

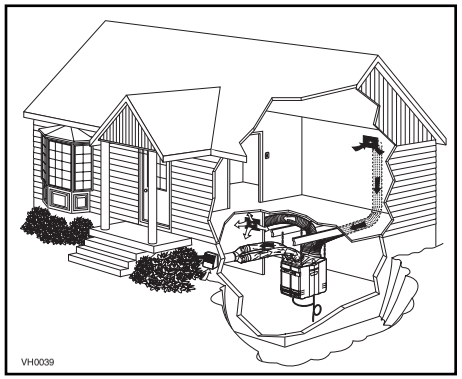
INSTALLATION TYPE SHOWN: CENTRAL DRAW POINT
SEE SECTION 3.8.2

SECTION 4: CONTROL

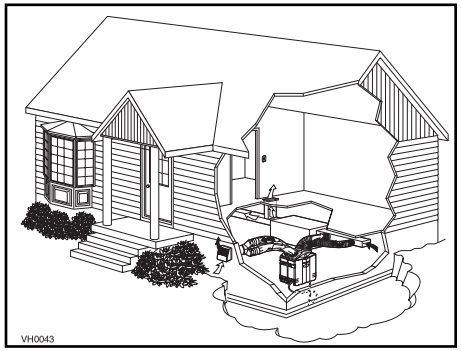
DUCT SIZE,
INSTALLING DUCTWORK AND
REGISTERS
SEE SECTIONS 3.7 AND 3.8

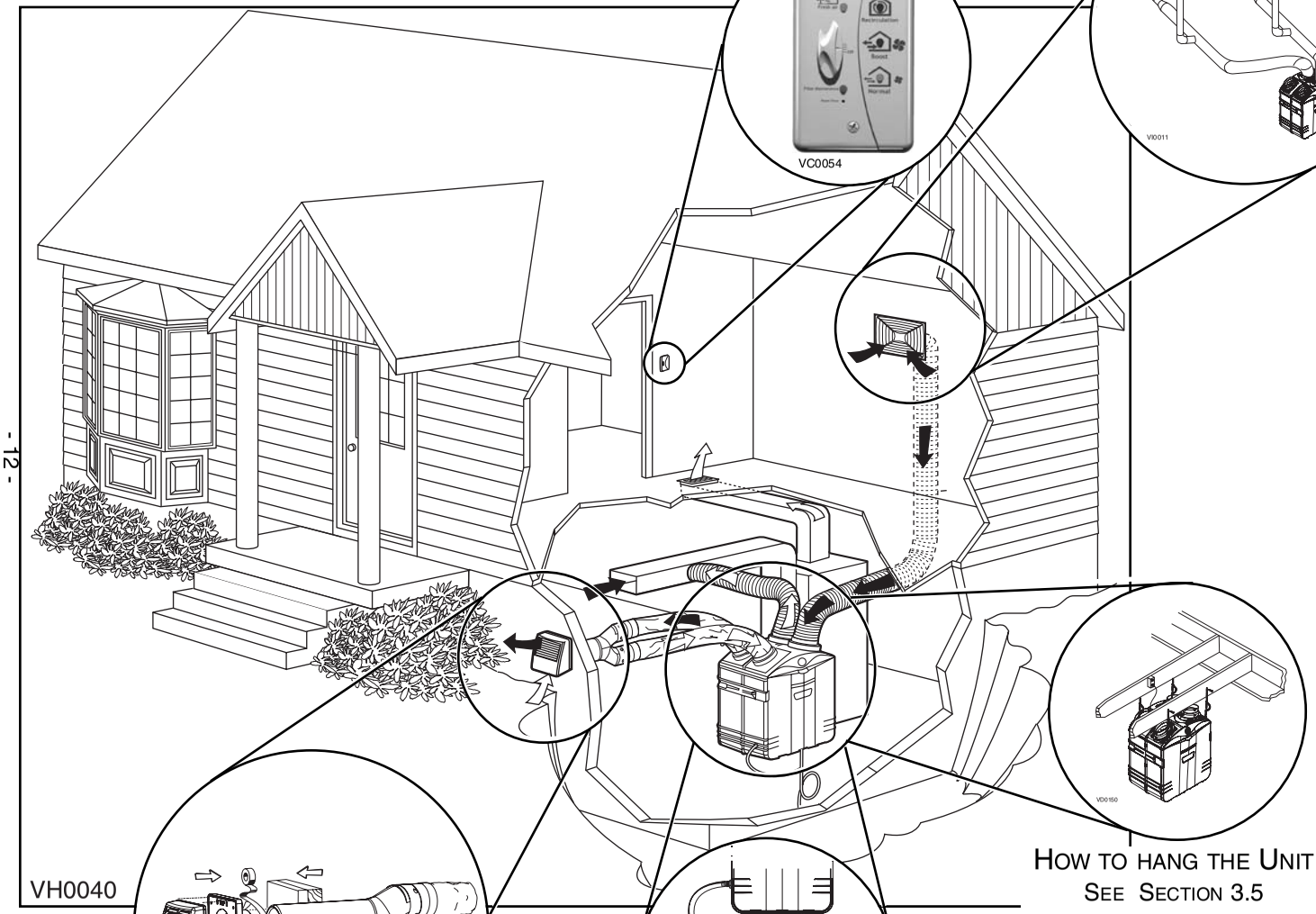


STAND ALONE INSTALLATION
SEE SECTION 3.8.1

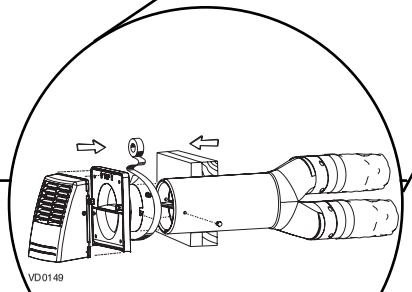


RETURN-RETURN INSTALLATION
SEE SECTION 3.8.3

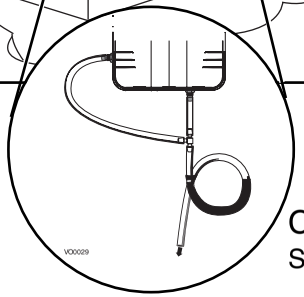




HOW TO HANG THE UNIT
SEE SECTION 3.5



OUTDOOR CONNECTION
SEE SECTIONS 3.9 AND 3.10



CONNECTING THE DRAIN
SEE SECTION 3.11

3. THH 1.0 UNIT INSTALLATION (CONT'D)

3.1 Inspect the Content of the Box

⚠ WARNING

To avoid risk of suffocation, discard the plastic bag wrapping the unit.

- Inspect the exterior of the unit for shipping damage. Ensure there is no damage to the door, door latches, main switch, etc.
- Inspect the interior of the unit for damage. Ensure the blower assembly, insulation, prefilter, HEPA filter,heat recovery core, etc. are all intact.
- If the unit was damaged during shipping, contact your local distributor.

3.2 Locating and Mounting the Unit

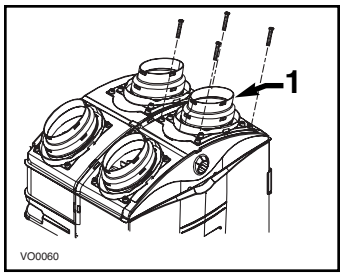
Choose an appropriate location for the unit.

- Within an area of the house where the ambiant temperature is between 10°C (50°F) and 30°C (86°F) (basement, furnace room, closet, etc.).
- So as to provide easy access to the interior of the unit, for filter maintenance.
- Away from hot chimneys and other fire hazards.
- Close to an exterior wall, so as to limit the length of the insulated flexible duct to and from the unit.
- Close to a drain. If no drain is close by, use a pail to collect run-off.

3.3 Mount the Ports on the Unit

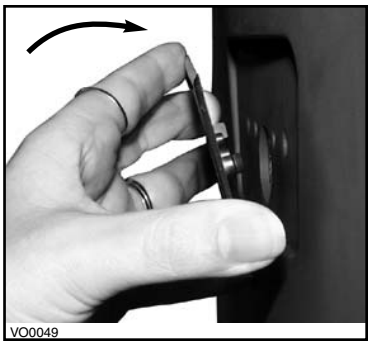
Mount the 5" to 6" oval ports on the top of the unit using the screws provided in the hardware box (4 screws #8 x 3/4" long per port).

NOTE: If an optional wall control has to be installed, do not install the front oval port (**1**) at this time.



3.4 Mount the Nameplate on the Unit

Select your company nameplate (Venmar or vänEE) and snap it on the unit door. Discard the other nameplate.

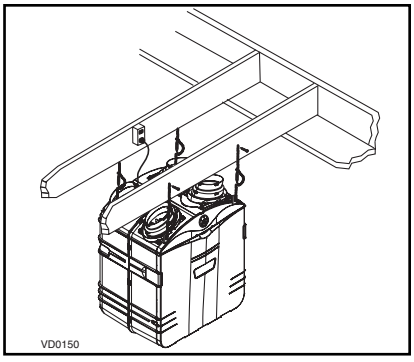


3.5 How to Hang the Unit

CAUTION

Always install the unit vertically (with ports on top). Make sure the unit is level.

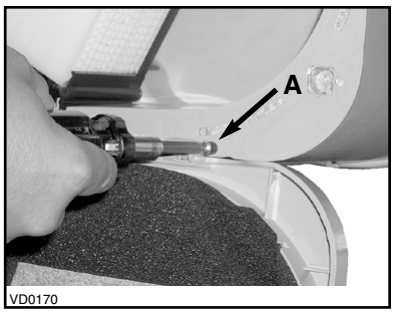
Use the 4 chains and springs in the hardware pack provided with the unit.



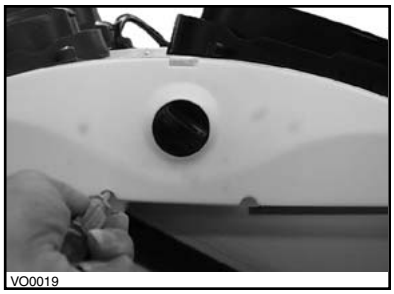
3. THH 1.0 UNIT INSTALLATION (CONT'D)

3.5 How to Hang the Unit (cont'd)

- Turn the switch knob to OFF position in order to unlock the door. Unlatch the door and open it.



NOTE: If preferred, the door can be removed. First, remove the stopper (**A**) located on the right side of the door hinge, then, slide the door out of its hinge.

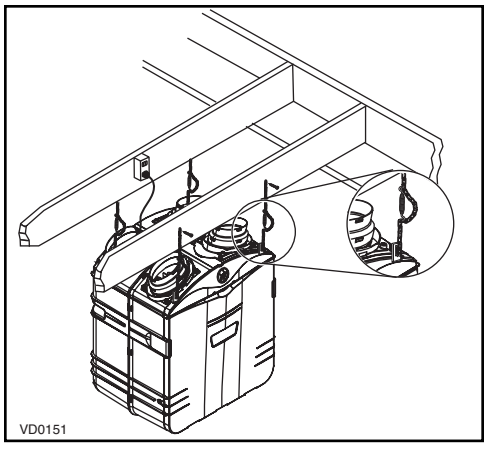


- Using a screwdriver, remove the 2 retaining screws of the front plate and carefully remove the front plate from the unit.

- Insert the 4 hooks in the square holes and fix them to the unit using 4 screws #8 - 32 x 3/4".

NOTE: If an optional wall controll has to be installed, go to Section 4.0 on pages 20 to 22. If not, continue the installation.

- Reinstall the front plate, the door and the door stopper.



- Hang the unit to the floor joist, using 4 #8 x 1 1/2" screws, 4 chains and 4 spings. See illustration beside.

3. THH 1.0 UNIT INSTALLATION (CONT'D)

3.6 Planning of the Ductwork

CAUTION

Do not attempt to recover the exhaust air from a dryer or a range hood. This would cause clogging of the filters and the heat recovery core.

- Follow the instructions in Section 3.7 below to determine the appropriate duct diameters for your system. Do not use branch lines smaller than 4"ø (102 mm) diameter.
- Do not use wall cavities as ducts.
- Keep it simple. Plan for a minimum of bends and joints.
- Do not ventilate crawl spaces or cold rooms.
- If the house has two floors or more, be sure to plan for at least one exhaust register at the highest lived-in level of the house.
- Keep the length of insulated ducts to a minimum.

3.7 Calculating the Duct Size

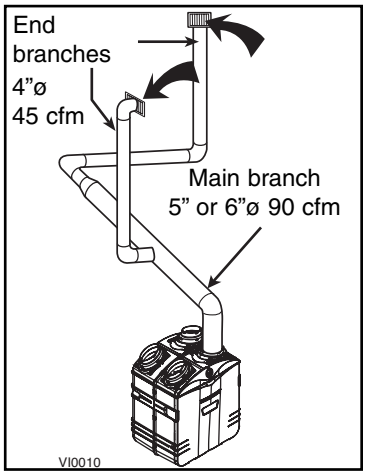
Use the table below to ensure that the ducts you intend to install will be carrying air flows around the recommended values. Avoid installing ducts that will have to carry air flows near the maximum values and never install a duct if its airflow exceed the maximum value.

Duct Diameter	Recommended Air Flow			Maximum Air Flow		
4"(102 mm)	40 cfm	19 l/s	68 m³/h	60 cfm	28 l/s	102 m³/h
5"(127 mm)	75 cfm	35 l/s	127 m³/h	110 cfm	52 l/s	187 m³/h
6"(152 mm)	120 cfm	57 l/s	204 m³/h	180 cfm	85 l/s	306 m³/h

NOTE: Examples 3.7.1 and 3.7.2 use imperial measures. The same calculation applies to metric measures.

3.7.1 Example of calculation:

Problem: My installation requires two exhaust registers (one for the kitchen, one for the bathroom). I will connect these registers to a main duct which will connect to the unit (high speed performance value of 90 cfm). What size of duct should I use for the main exhaust duct and for the two end branches leading to the registers? (See illustration below.)

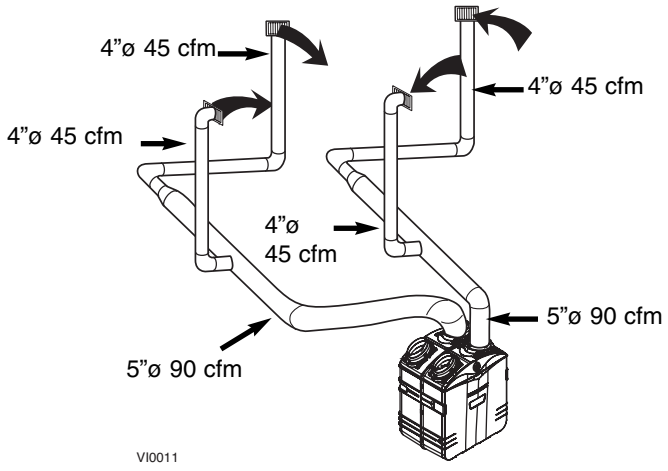


Solution: Simplified method. (For a more detailed method of calculating duct size refer to the ASHRAE or HRAI HANDBOOK).

Main duct: Table above indicates a 5" Ø duct: recommended air flow: 75 cfm; maximum air flow: 110 cfm. The high speed air flow of 90 cfm is close enough to the recommended value (75) and under the maximum value (110). Therefore a 5"Ø duct or larger is an appropriate choice for the main exhaust duct.

End branches: Each end branch will have to transport an air flow of 45 cfm (90 divided by 2). Table above indicates a 4"Ø duct: recommended air flow: 40 cfm; maximum air flow: 60 cfm. The high speed air flow of 45 cfm is close enough to the recommended value (40) and far enough away from the maximum value (60). Therefore a 4"Ø duct or larger is an appropriate choice for the 2 end branches.

2.7.2 Example of a design for a fully ducted system for a unit having a high speed performance of 90 cfm.



3. THH 1.0 UNIT INSTALLATION (CONT'D)

3.8 Installing Ductwork and Registers

3.8.1 Stand Alone System

Stale air exhaust ductwork

⚠ WARNING

Never install a stale air exhaust register in a closed room where a combustion device operates, such as a gas furnace, a gas water heater or a fireplace.

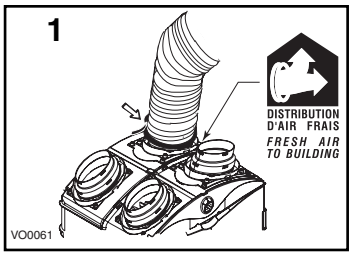
- Install the stale air exhaust registers in the areas where the contaminants are produced: kitchen, living room, etc. Position the register as far from the stairway as possible and in such a way that the air circulates in all the lived-in spaces in the house.
- If a register is installed in the kitchen, it must be located at least 4 feet (1.2 m) from the range.
- Install the registers 6 to 12 inches (152 to 305 mm) from the ceiling on an interior wall OR install it in the ceiling.
- Use the provided red sticker dots to identify the duct.

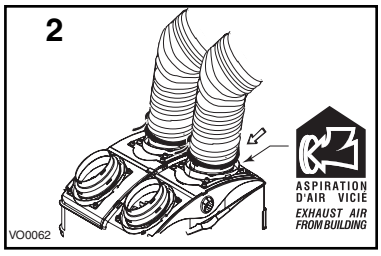
Fresh / Filtered air distribution ductwork

- Install the fresh / filtered air distribution registers in the lowest level to ensure the greatest possible air circulation. Keep in mind that the fresh / filtered air registers must be located as far as possible from the stale air registers.
- Install the register in the ceiling OR 6 to 12 inches (152 to 305 mm) from the ceiling on an interior wall. The duct length should be at least 15' (4.6 m). (The fresh / filtered air will then flow through the room and mix with room air, ensuring a continuous recirculating airflow.)
- Use the provided blue sticker dots to identify the duct.

How to connect the flexible duct to the unit ports

- Each port is identified on top of the unit (see illustrations below). Attach the fresh / filtered air to building duct to its corresponding port, using tie wrap (**1**). Then, attach the exhaust air from building duct to the other port (**2**).





NOTE: Use a 5" or 6" insulated duct if the duct will have to go through extreme temperature (e.g.: in northern area, not heated attic in winter or attic not cooled in southern area). Also. if you plan to stop the unit for more than 12 hours, we recommend to cover the duct with R12 insulation.

3. THH 1.0 UNIT INSTALLATION (CONT'D)

3.8 Installing Ductwork and Registers (cont'd)

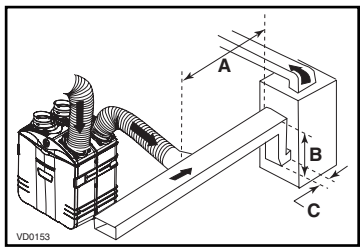
3.8.2 Central Draw Point

NOTE: For this type of installation, it is not essential that the furnace blower runs when the unit is in operation, but we recommend it.

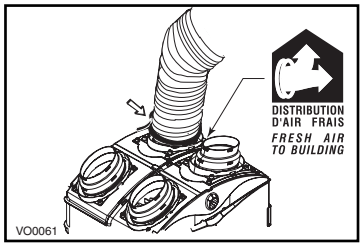
Fresh / Filtered air distribution ductwork (Return side connection)

⚠ WARNING

When performing duct connections, always use approved tools and materials. Respect all corresponding laws and/or safety regulations. Please refer to your local building code.



- Locate the opening for the fresh / filtered air ductwork on the furnace / air handler return duct at a minimum linear distance of 9' 10" (3 m) upstream (return side: **A**+**B**+**C**).



- Attach this duct to the ***FRESH AIR TO BUILDING*** port (see icon on the top of the unit), using tie wrap and duct tape. Use the provided blue sticker dots to identify the duct

Stale air exhaust ductwork

Same as for Stand Alone System, described in point 3.8.1.

3.8.3 Return-Return

NOTE: To avoid the cross-contamination and achieve highest efficiencies, the furnace/air handler blower must always be ON (or the unit efficiency will be affected).

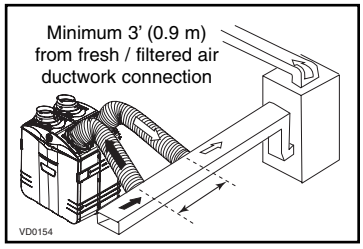
Fresh / Filtered air distribution ductwork (Return side connection)

Same as for Central Draw Point, described in point 3.8.2.

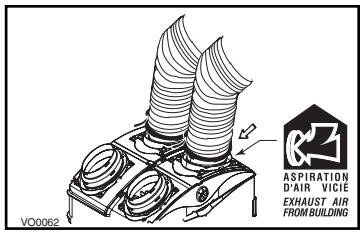
Stale air exhaust ductwork (Return side connection)

⚠ WARNING

When performing duct connections, always use approved tools and materials. Respect all corresponding laws and/or safety regulations. Please refer to your local building code.



- Locate the take-off duct opening at least 3' (0.9m) from the filtered air ductwork connection. Proceed as for the filtered air ductwork, but instead of using the blue dot sticker to identify the duct, use the red dot.



- Attach this duct to the ***EXHAUST AIR FROM BUILDING*** port (see icon on the top of the unit) using tie wrap and duct tape.

3. INSTALLATION OF THE THH 1.0 UNIT (CONT'D)

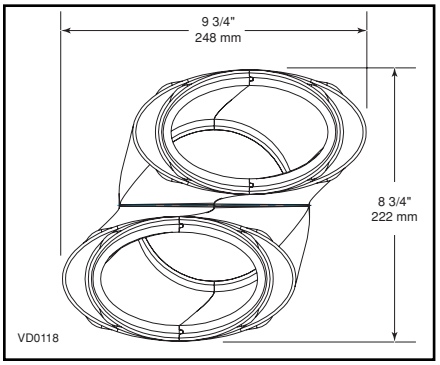
3.9 Installing Insulated Flexible Ducts

CAUTION

Make sure the vapor barrier on the insulated ducts does not tear during installation.

Use the following procedure for connecting the insulated flexible ducts to the Tandem® transition* (*EXHAUST AIR TO OUTSIDE* and *FRESH AIR FROM OUTSIDE*).

- The joist opening needed to install the Tandem®* transition must be 9 3/4" (248 mm) minimum. Also, the maximum height of the Tandem® transition* is 8 3/4" (222 mm). See Tandem® transition* end view below.



NOTE: If the joists are perpendicular to the ducts, or if the connection to the exterior hood is in a limited area, your installation will need two exterior hoods instead of one. In this case, do not use the Tandem® transition*. Identify each insulated duct. For fresh air from outside duct, use the blue sticker dots (one dot at each end). For exhaust air to outside duct, use the red sticker dots (one dot at each end). Then, go to point 3.9.2 and refer to the optional single hood enclosed instructions.

*Patent pending.

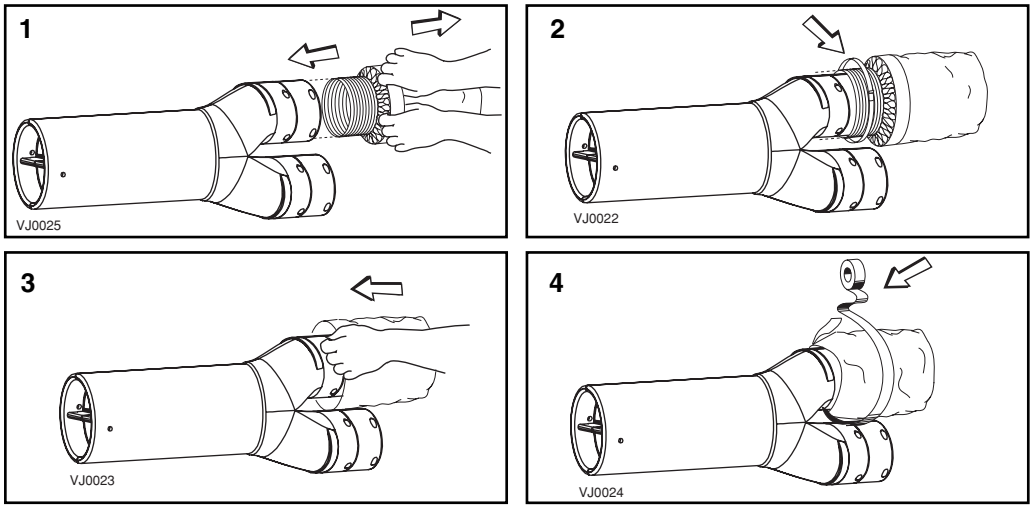
3.9.1 Connection to Tandem® transition

1. For each duct, pull back the insulation to expose the interior flexible duct.

2. Connect the interior flexible duct to the smaller part of the Tandem® transition (5" oval) using a 24" tie wrap.
NOTE: If you are using a 6" diameter insulated duct, use the bigger part of the Tandem® transition (6" oval).

3. Pull the insulation over the joint. Pull the vapor barrier over the insulation.

4. Apply duct tape gently to the joint in order to make an airtight seal. See figures below.



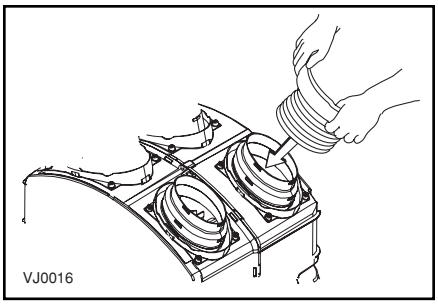
Identify each insulated duct. For fresh air from outside duct, use the blue sticker dots (one dot at each end). For exhaust air to outside duct, use the red sticker dots (one dot at each end). **Be careful to identify the exhaust air to outside duct (red dot) at the upper section of the transition.**

3. INSTALLATION OF THE THH 1.0 UNIT (CONT'D)

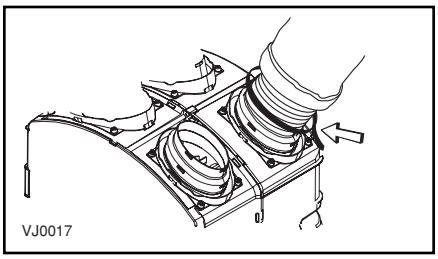
3.9 Installing Insulated Flexible Ducts (cont'd)

3.9.2 Connection to the 5" to 6" oval ports of the unit

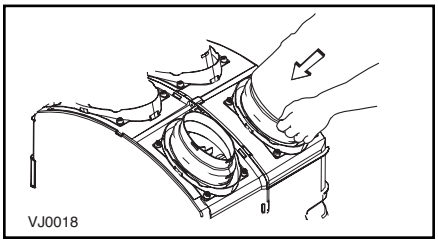
Use the following procedure for connecting the insulated flexible ducts to the 5" to 6" oval ports of the unit (*EXHAUST AIR TO OUTSIDE* and *FRESH AIR FROM OUTSIDE*).



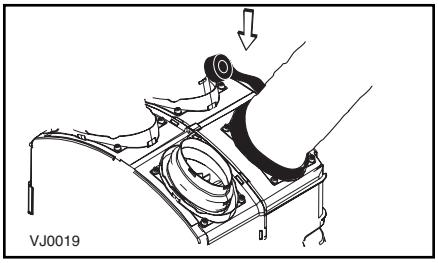
1. Pull back the insulation to expose the flexible duct.



2. Connect the interior flexible duct to the smaller part of the port (5" oval) using a 24" tie wrap.
NOTE: If you are using a 6" diameter insulated duct, use the bigger part of the port (6" oval).



3. Pull the insulation over the joint and tuck it between the inner and outer rings of the port. Pull the vapor barrier over the insulation and over the outer ring of the port.

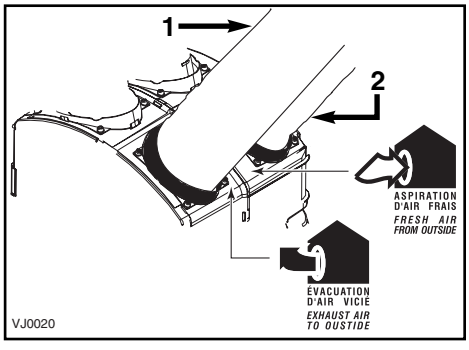


4. Apply duct tape gently to the joint in order to make an airtight seal.

CAUTION

Avoid compressing the insulation when you pull the tape tightly around the joint. Compressed insulation loses its insulation properties and causes water dripping due to condensation on the exterior surface of the duct.

5. Repeat steps 1 to 4 for the other 5" to 6" port.

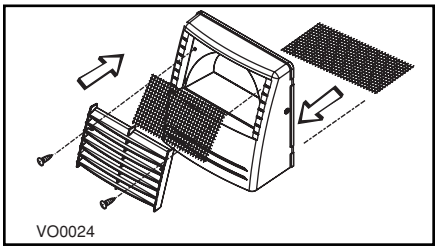


See figure beside to find the *EXHAUST AIR TO OUTSIDE* (**1**) and *FRESH AIR FROM OUTSIDE* (**2**) oval ports on the top of the unit.
Be careful to connect the right insulated duct to its corresponding port.

3. INSTALLATION OF THE THH 1.0 UNIT (CONT'D)

3.10 Installing Dual Exterior Hood*

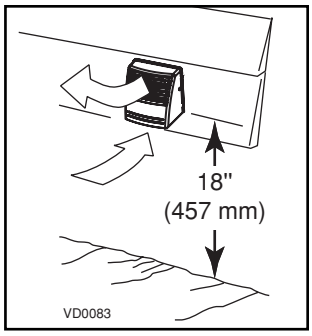
3.10.1 Assembling Dual Exterior Hood



Exterior dual hood comes in separate parts. Using 2 #8 x 3/4" screws, assemble the top metal screen and the plastic grille to the dual exterior hood. Then, slide the bottom metal screen to the dual exterior hood. See illustration beside.

*Patent pending

3.10.2 Locating the Dual Exterior Hood



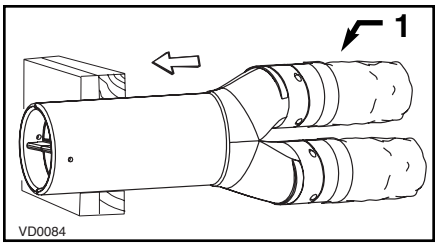
The dual exterior hood must be installed at a minimum distance of 18 inches (457 mm) from the ground. See illustration beside.

⚠ WARNING

Make sure this hood is at least 3 feet (0.9 m) away from any of the following:

- **High efficiency furnace vent.**
- **Gas meter exhaust, gas barbecue-grill.**
- **Any exhaust from a combustion source.**
- **Garbage bin and any other source of contamination.**

3.10.3 Connecting Tandem® transition to the Dual exterior Hood

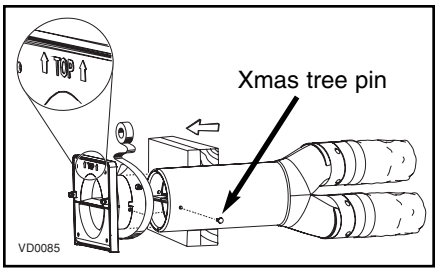


1) EXHAUST AIR TO OUTSIDE duct

1. Using a jig saw, cut a 6" diameter hole in the exterior wall and insert the Tandem® transition through this hole.

CAUTION

The Tandem® transition must be inserted in such a way that the *EXHAUST AIR TO OUTSIDE* duct will be located on the top.



2. Joint the end of the Tandem® transition to the rear of the exterior backplate. Secure with 2 Xmas tree pins and seal properly with duct tape.

CAUTION

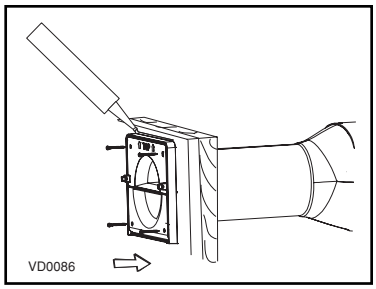
The exterior backplate must be installed with the word "TOP" pointing upward.

3. INSTALLATION OF THE THH 1.0 UNIT (CONT'D)

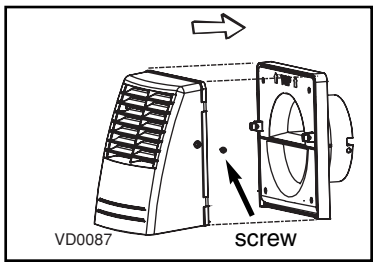
3.10 Installing Dual Exterior Hood* (cont'd)

3.10.3 Connecting Tandem® transition to the Dual exterior Hood (cont'd)

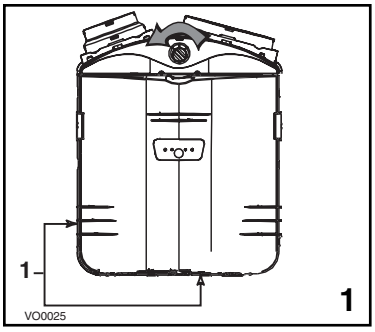
3. Lean the exterior backplate to the exterior wall. Using 4 #8 x 1 1/2" screws, fix it to the wall. Seal the outline with caulking.



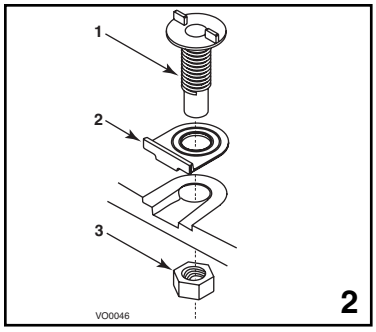
4. Snap the assembled exterior hood to its backplate and secure with 2 provided screws (#8 x 3/4" long).



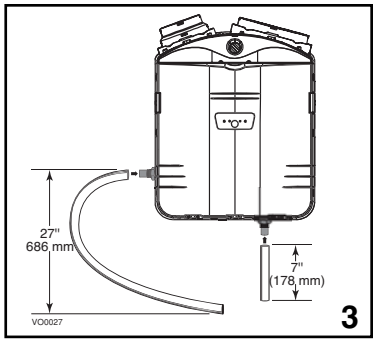
3.11 Connecting the Drain



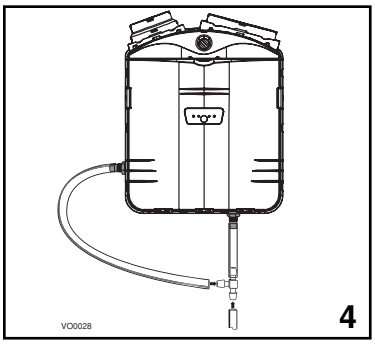
1. Remove the door by turning the switch knob to the OFF position (to unlock the door). Then, unlatch the door and open it. Slide out the core assembly to access the 2 drain fitting hole locations (**1**). Punch out the holes.



2. Hand tighten the 2 plastic drain fittings (**1**) using the gaskets (**2**) and nuts (**3**) as shown. Close the door.

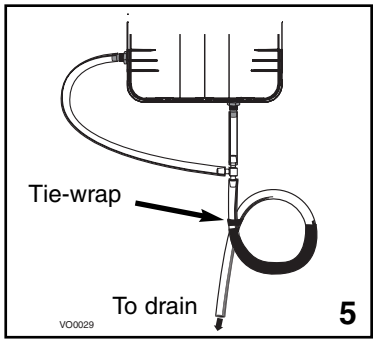


3. Cut 2 sections of plastic tubing; one 7" (178 mm) long and one 27" (686 mm) long, and attach them to each drain fitting as shown.



4. Join these 2 sections to the "T" junction and main tube as shown.

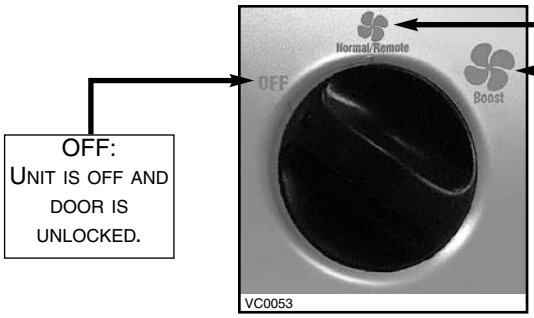
5. Make a water trap loop in the tube to prevent the unit from drawing unpleasant odors from the drain source. Make sure this loop is situated BELOW the "T" as shown. This will prevent water from being drawn back up into the unit in case of negative pressure. Run the tube to the floor drain or an alternative drain pipe or pail. Be sure there is a slight slope for the run-off.



4. CONTROLS

4.1 Main Switch

These unist are equipped with a 3-position main switch, located on the front panel.



OFF:
Unit is off and door is unlocked.

NORMAL/REMOTE:
Unit is operating on normal speed. This is the right position when an optional wall control is used.

BOOST:
Unit is operating on high speed.

4.2 Optional Wall Controls

The optional wall control part number for the HEPA 3.2 unit is 04862 (for Venmar unit) or 05439 (for vänEE unit).

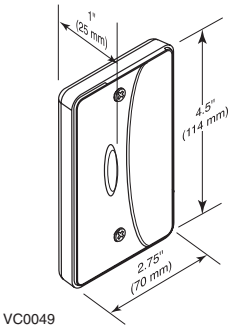
The optional wall control part number for the THH 1.0 unit is 04391 (for Venmar unit) or 05536 (for vänEE unit).

HEPA 3.2
#04862 or #05439

THH 1.0
#04391 or #05536

4.3 Dimensions

Dimensions are the same for both optional wall controls.



4.4 Installation of the Optional Wall Control

⚠ WARNING

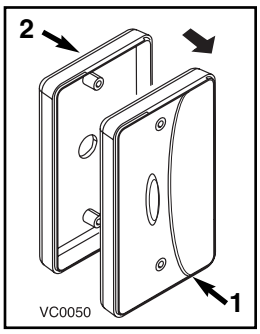
Always disconnect the unit before making any connections. Failure in disconnecting power could result in electrical shock or damage of the wall control or electronic module inside the unit.

CAUTION

Never install more than one optional wall control per unit.

1.Determine the more convenient location for the control.

2. Remove the cover plate control (**1**). If you prefer to have your optional main control mounted on an approved outlet box or an approved mounting bracket (not included), discard the backplate (**2**).



⚠ WARNING

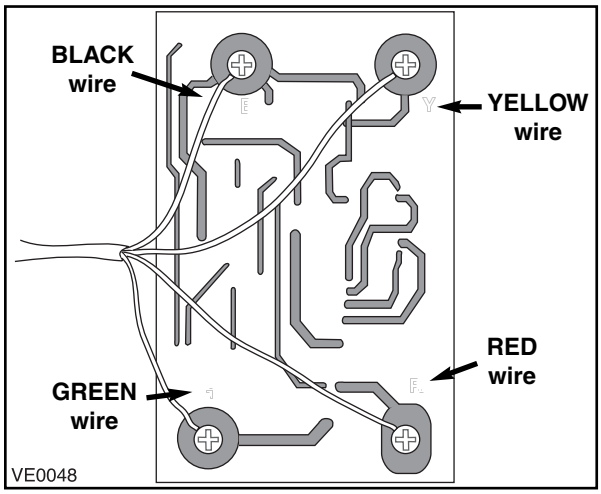
To avoid risk of electrical shocks, never install another wire in the same electrical box than the one for the optional wall control.

3.Take one end of the cable and pass it through the wall control backplate (or outlet box or mounting bracket).

4. CONTROLS (CONT'D)

4.4 INSTALLATION OF THE OPTIONAL WALL CONTROL (CONT'D)

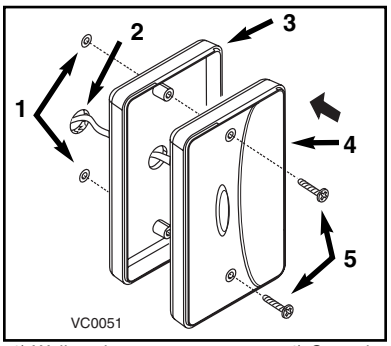
4. Splice back this end of the cable to access to the 4 wires. Remove the insulated sleeve of each wire ends. Make a loop with each bare end wire to hook them to their corresponding screw. Connect YELLOW wire to "Y" screw, RED wire to "R" screw, GREEN to "G" screw and BLACK to "B" screw. See illustration below.



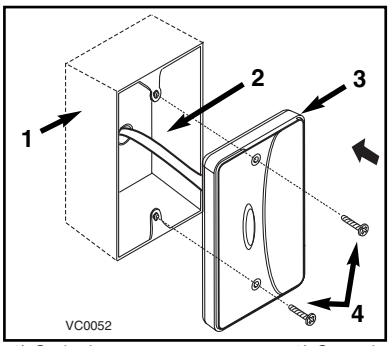
⚠ WARNING

Make sure that the wires do not short circuit between themselves or by touching any other components on the wall control.

5. Pass the other end of the cable through the wall. Reinstall the cover plate. Using wall anchors (not included) and provided screws, mount the wall control on the wall. See illustrations below.



1) Wall anchors
2) Control cable
3) Control backplate
4) Control
5) Screws



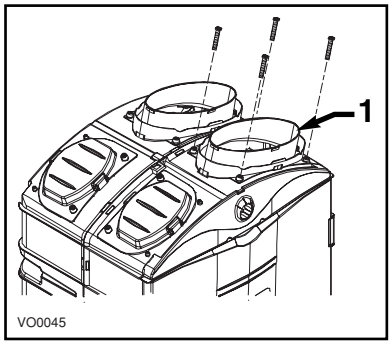
1) Outlet box
2) Control cable
3) Control
4) Screws

CAUTION

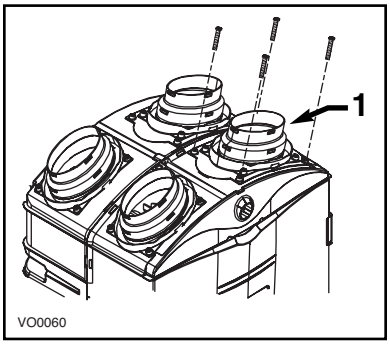
Keep control low voltage wiring at least 1' (305 mm) away from motors, lightning ballast, light dimming circuit and power distribution panel. Do not route control wiring along house power wiring. Avoid poor wiring connections. Failure to follow these practices can introduce electrical interference, which can cause erratic control operations.

6. Route the cable to the unit.

7. If it is not done yet, remove the front 8" (HEPA 3.2 unit) or the 5" to 6" (THH 1.0 unit) oval port (**1**).



HEPA 3.2 unit



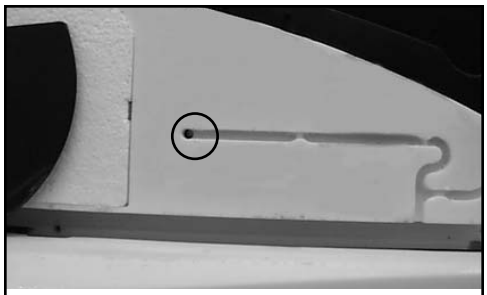
THH 1.0 unit

4. CONTROLS (CONT'D)

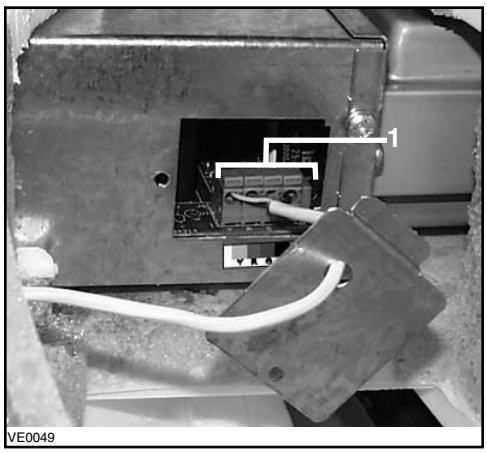
4.4 INSTALLATION OF THE OPTIONAL WALL CONTROL (CONT'D)

VO0019

8. Remove the front panel of the unit by unscrewing its retaining screws.


VD0088

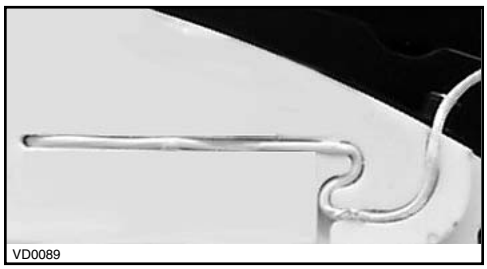
9. Using a small rod, pierce a hole through the unit at the end of the wire channel. (See picture beside.) Splice back the end of the cable to access the 4 wires. Remove the insulated sleeve of each wire ends. Insert the end of the cable through the unit, using the small hole previously done.



VE0049

10. In order to access the unit PCB terminals, remove the side door located on the electrical box and punch out its knock out. Run the cable through the knock-out hole and connect each wire in their corresponding terminal (YELLOW in "Y", RED in "R", GREEN in "G" and BLACK in "B").
NOTE: Push forward slightly on the little tabs (**1**) to ease insertion of each wires. See picture beside.

11. Reinstall the side door on the electrical box and the front oval port on the unit.


VD0089

12. Route the wire through its channel and reinstall the front panel on the unit. See picture beside.

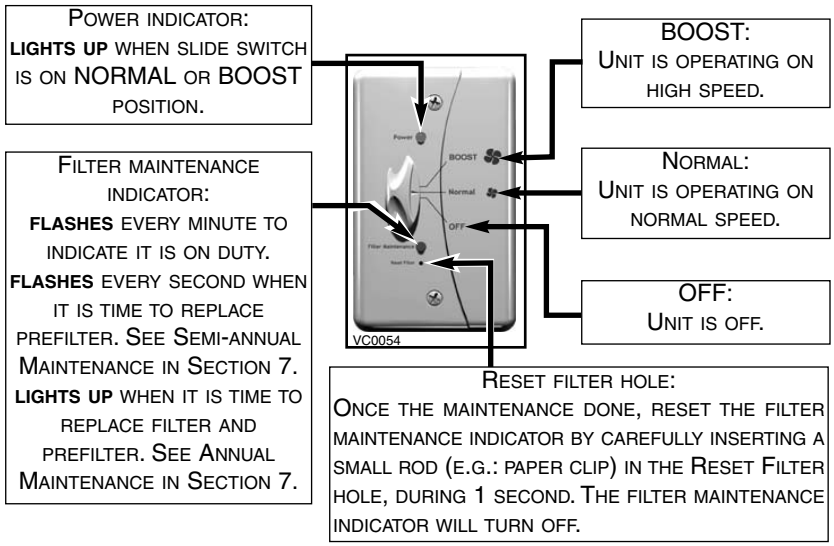
13. If the installation is not completed, return to Section 2 on page 8 (for HEPA 3.2 unit) or Section 3 on page 13 (for THH 1.0 unit). If the installation is completed, plug the unit.

NOTE: When using an optional wall control, the main switch on the unit must always be positioned to NORMAL/REMOTE.

4. CONTROLS (CONT'D)

4.5 Operating #04862 or #05439 Control

4.5.1 #04862 or #05439 Control description

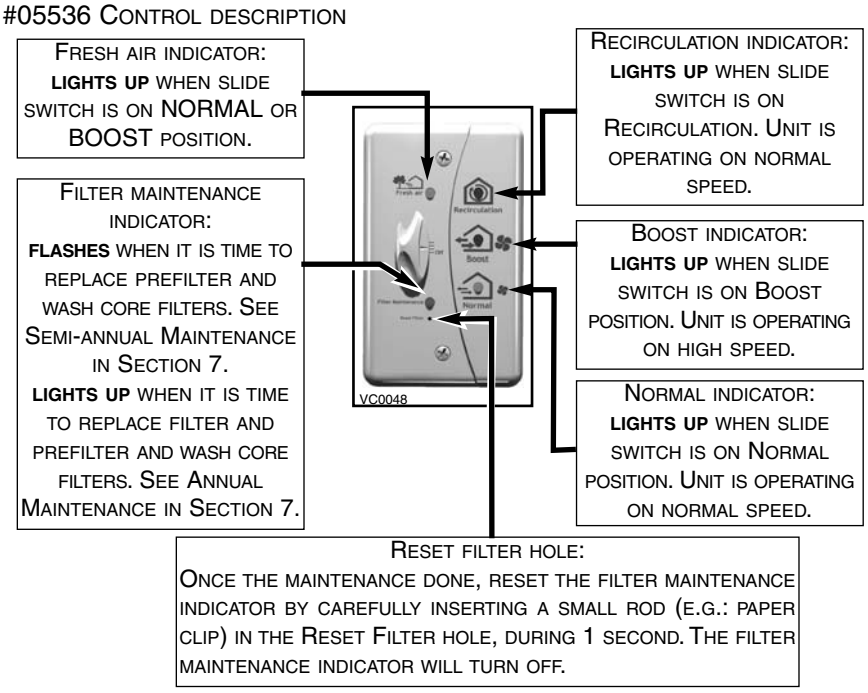

Power indicator:
LIGHTS UP when slide switch is on NORMAL or BOOST position.
Filter maintenance indicator:
FLASHES every minute to indicate it is on duty.
FLASHES every second when it is time to replace prefilter. See Semi-annual Maintenance in Section 7.
LIGHTS UP when it is time to replace filter and prefilter. See Annual Maintenance in Section 7.
BOOST:
Unit is operating on high speed.
Normal:
Unit is operating on normal speed.
OFF:
Unit is off.
VC0054
Reset filter hole:
Once the maintenance done, reset the filter maintenance indicator by carefully inserting a small rod (e.g.: paper clip) in the Reset Filter hole, during 1 second. The filter maintenance indicator will turn off.

4.5.2 Using #04862 or #05439 Control

- OFF : To stop the unit, slide the button on this position.
- Normal : For a day-to-day usage, slide the button on this position. The unit then will operate on normal speed.
- Boost : For a high speed operation, slide the button on this position.
  Generally used when extreme conditions occur, e.g.: parties, smokers, etc.

4.6 Operating #04391 or #05536 Control

4.6.1 #04391 or #05536 Control description


Fresh air indicator:
LIGHTS UP when slide switch is on NORMAL or BOOST position.
Filter maintenance indicator:
FLASHES when it is time to replace prefilter and wash core filters. See Semi-annual Maintenance in Section 7.
LIGHTS UP when it is time to replace filter and prefilter and wash core filters. See Annual Maintenance in Section 7.
Recirculation indicator:
LIGHTS UP when slide switch is on Recirculation. Unit is operating on normal speed.
Boost indicator:
LIGHTS UP when slide switch is on Boost position. Unit is operating on high speed.
Normal indicator:
LIGHTS UP when slide switch is on Normal position. Unit is operating on normal speed.
VC0048
Reset filter hole:
Once the maintenance done, reset the filter maintenance indicator by carefully inserting a small rod (e.g.: paper clip) in the Reset Filter hole, during 1 second. The filter maintenance indicator will turn off.

4.6.2 Using #04391 or #05536 Control

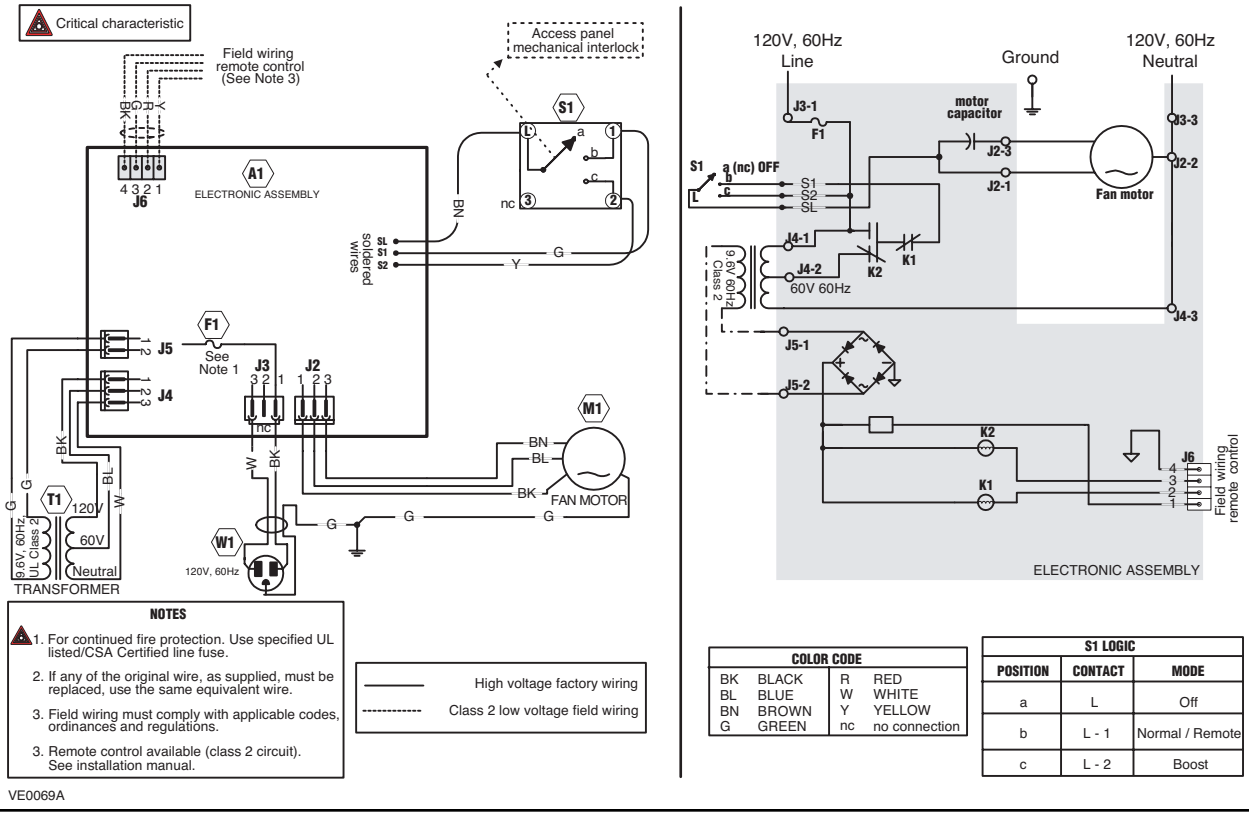
- OFF : To stop the unit, slide the button on this position.
- Normal : For a day-to-day usage, slide the button on this position. The unit then will operate on normal speed.
- Boost : For a high speed operation, slide the button on this position.
  Generally used when extreme conditions occur, e.g.: parties, smokers, etc.
- Recirculation : For a normal speed operation, without exchanging air with the outside, slide the button on this position.
  This mode is ideal when the inside air is too dry, or during extremely cold outside temperature. It can be used also to recirculate the heat coming from a wood stove throughout the house, or the fresh air from a cooling system.

5. WIRING DIAGRAMS

⚠ WARNING

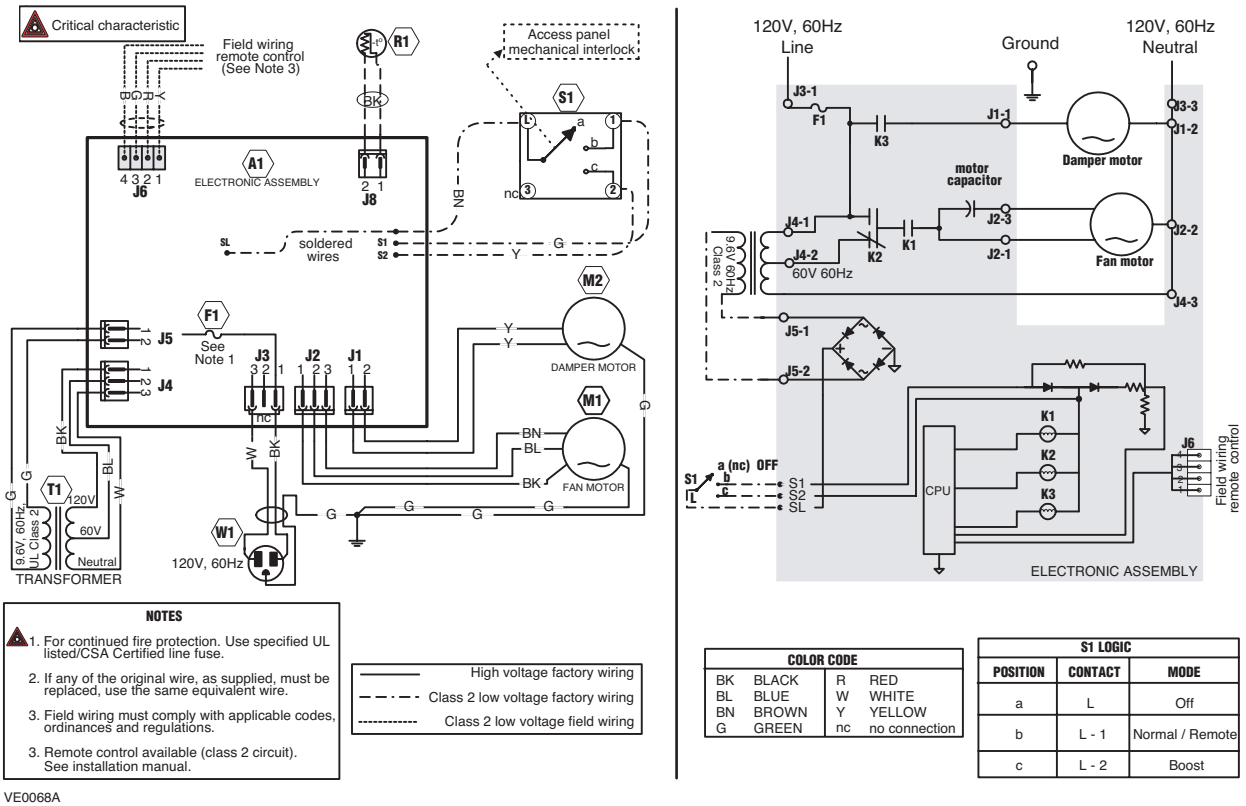
Risk of electrical shocks. Before performing any maintenance or servicing, always disconnect the unit from its power source.

5.1 HEPA 3.2 WIRING DIAGRAM



VE0069A

5.2 THH 1.0 WIRING DIAGRAM

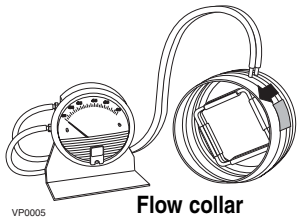


VE0068A

6. BALANCING PROCEDURE (THH 1.0 ONLY)

6.1 What You Need to Balance the Unit

- A magnehelic gauge capable of measuring 0 to 0.5 inches water gauge (0 to 125 Pa) and 2 plastic tubes.
- Two flow collars (the size will vary depending of duct diameter).

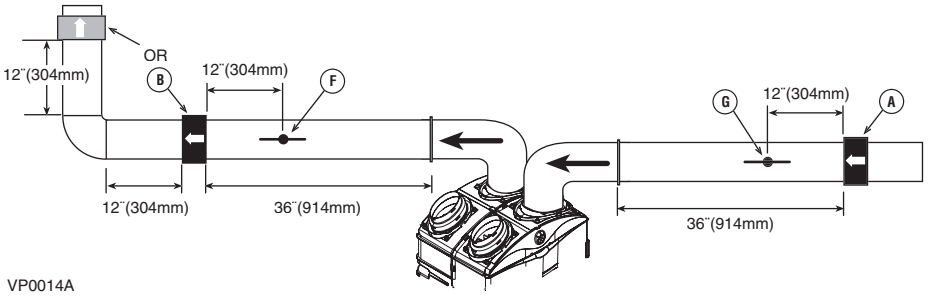


Flow collar

6.2 Preliminary Stages for Balancing the Unit

Seal all the unit ductwork with tape. Close all windows and doors. Turn off all exhaust devices such as: range hoods, dryers and bathroom fans. Make sure balancing dampers are fully open (F and G in figure below).
Choose an appropriate location for the 2 flow collars according to figure below:

- On the exhaust air duct (first measuring location, A)
- On the fresh/filtered air distribution duct (second measuring location, B)
- At least 36" (914 mm) away from the unit; at least 12" (304 mm) before or after 90° elbow and at least 12" (304 mm) away from a register.
- At least 12" (304 mm) away a from a balancing damper (F and G in figure below).

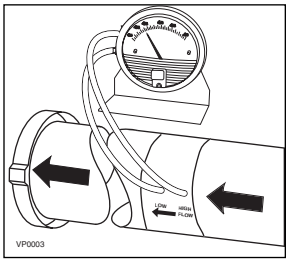


6.3 Installation of Flow Collar

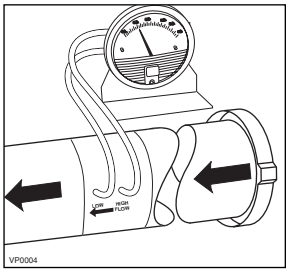
Insert the flow collars in the ducts at each location (A et B on figure above). Make sure their arrows are pointing in the direction of the airflow. Tape collars in place temporarily.

6.4 Balancing Procedure

1. Set the unit to high speed.
   Make sure that the furnace blower is ON if the installation is in any way connected to the ductwork of the cold air return. If not leave furnace blower OFF.
2. Place the magnehelic gauge on a level surface and adjust it to zero.
3. Connect tubing from gauge to flow collar in exhaust air stream (location A in illustration above). Be sure to connect the tubes to their appropriate high / low fitting. If the gauge reading drops to below zero, reverse the tubing connections.
   NOTE: It is better to start with the exhaust air flow reading because the exhaust typically has more restriction than the fresh air, especially in cases of stand alone and central draw point installations.
   Hold or place the magnehelic gauge upright and level. Record the reading.



4. Move tubing to the other side of the unit (location B in illustration above and note reading. Adjust the fresh air balancing damper F until the reading at B is approximately the same as the reading at A. If the reading at B is less than the reading at A then go back and adjust the exhaust balancing damper G to equal the fresh air flow.



5. Remove flow collars and reconnect the duct, then, seal with duct tape. Write the required airflow information on a label and stick it near the unit for future reference: (date, maximum speed airflows, your name and phone number and business address).
   NOTES:
   - Most flow collar kits provide a conversion chart situated on the collar which enables you to convert magnehelic gauge readings to equivalent cfm values.
   - A difference of ± 10 cfm (± 0.015 inches water gauge) between the 2 readings isconsidered balanced.
   - If you are using only one flow collar, then, after completing the first reading, transfer this measuring device to the other side of the unit and take the second reading.

7. MAINTENANCE

⚠ WARNING

Risk of electrical shocks. Before performing any maintenance or servicing, always disconnect the unit from its power source.

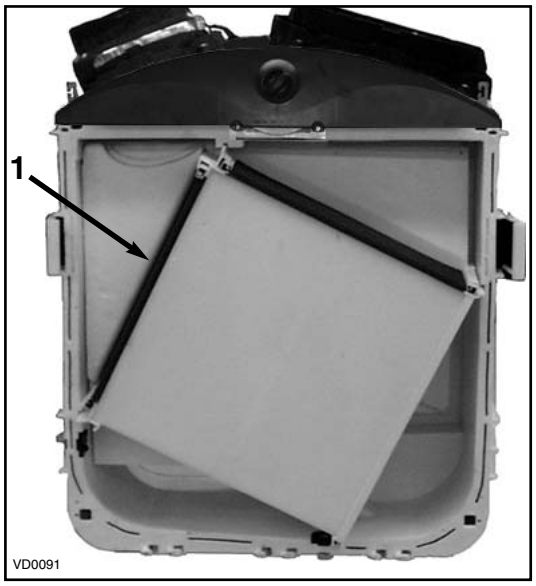
7.1 Semi-annual Maintenance (essential)

If your unit is equipped with an optionnal wall control (04862 / 05439 or 04391 / 05536) you should perform this maintenance when the **Filter Maintenance light is flashing**. Otherwise, this maintenance must be performed every 6 months to ensure your unit proper operation for years to come. Follow these steps:

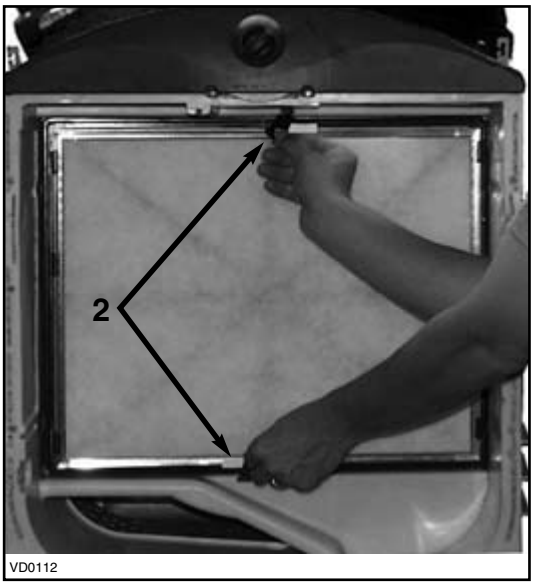
1. Turn switch knob to OFF to unlock the door.

2. Unlatch the door and open it. Clean the inner side of the door with a clean damp cloth, then wipe with a dry one.

3. Slide out the heat recovery module (THH 1.0 units only) and the filter cartridge from the unit.



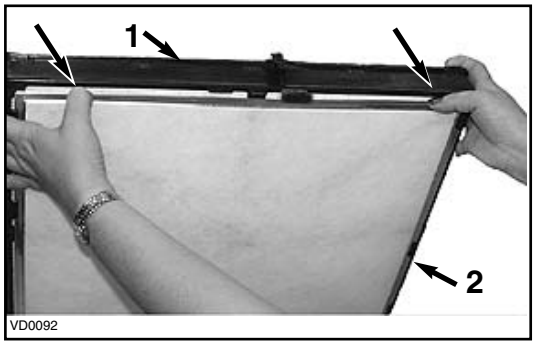
1) Heat recovery module



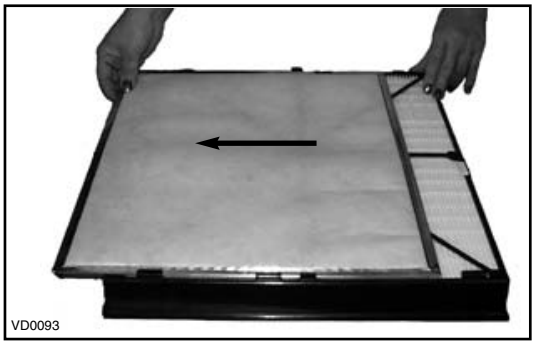
2) Tabs

NOTE: To remove the filter cartridge, pull on its tabs (**2**).

4. Using your thumbs, push on the prefilter side to disengage it from the filter cartridge. Then, slide it out of the filter cartridge and discard it. Install the new prefilter by reversing this operation.



1) Filter cartridge
2) Prefilter



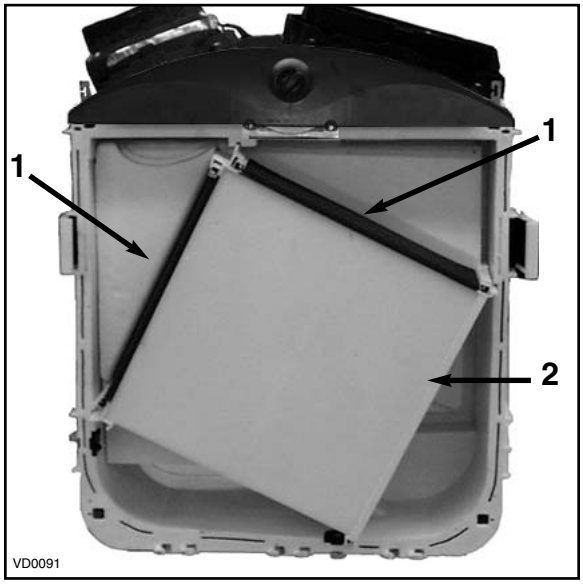
5. Clean the inside walls of the unit with a clean damp cloth, then wipe with a dry one.

7. MAINTENANCE (CONT'D)

7.1 SEMI-ANNUAL MAINTENANCE (ESSENTIAL) (CONT'D)

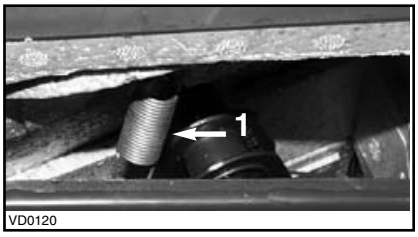
For THH unit only

Wash the 2 core filters under hot water with mild soap. Soak the core in a solution of warm water and mild soap. Rinse the core filters and the core thoroughly and let dry before reinstalling them in the unit.



1) Core filters
2) Core

NOTE: Make sure the damper spring (**1**) is still inside the left front port opening before reinstalling the recovery module.



1) Damper spring

6. Close the door, close the latches and turn ON the switch knob to its previous position.

7. If your unit is equipped with a wall control (04862 / 05439 or 04391 / 05536), reset the filter maintenance indicator by inserting a small rod (eg: paper clip end) into the reset filter hole of the optional wall control. Press lightly until the Filter Maintenance indicator light turns off.

7.2 ANNUAL MAINTENANCE (ESSENTIAL)

If your unit is equipped with an optional wall control (04862 / 05439 or 04391 / 05536) you should perform this maintenance when the **Filter Maintenance light stays ON**. Otherwise, this maintenance must be performed once a year to ensure proper operation of your unit for years to come. Proceed as the Semi-annual Maintenance (Section 7.1), but instead of replacing the prefilter (point 4), discard the complete HEPA Filter cartridge (including prefilter). Install a new HEPA filter cartridge (or a new pleated filter cartridge) with a new prefilter on it.

7.3 MASTER RESET

Use the master reset only if you replace the filters before the annual maintenance indicator is on. By inserting a small rod (eg: paper clip end) for 5 seconds or more into the reset filter hole of the optional wall control, a master reset will be done and both biannual and annual maintenance filter are reset.

04862 / 05439 Control: The filter maintenance indicator will flash 1/4 second if the wall control is on Normal or Boost position.

04391 / 05536 Control: If the wall control is in "Off" position, "Fresh air" light indicator will flash for 1 second. If the wall control is in "Normal" or "Boost" position, the unit motor, the "Fresh air" light indicator and speed light indicator ("Normal" or "Boost") will turn off for 3 seconds. If the wall control is in "Recirculation" position, the "Recirculation" light indicator and the unit motor will turn off for 3 seconds.

8. PARTS ORDERING CHART

No.	Description	Part Number	Venmar HEPA 3.2	vänEE HEPA 3.2	Venmar THH 1.0	vänEE THH 1.0
1	Prefilter Kit (2)	05123	1	1	1	1
2	HEPA Pleated Filter Kit	04803	1	1	1	1
3	Wall Control **	04862	1	-	-	-
4	Wall Control **	05439	-	1	-	-
5	Wall Control **	04391	-	-	1	-
6	Wall Control **	05536	-	-	-	1

*Items 3, 4, 5 and 6 are optional.

All listed parts are available where you bought your unit.

NOTE: Please note that parts not listed are not available; those parts require assembly knowledge that only manufacturer can garantee.

9. TROUBLESHOOTING

PROBLEMS	SOLUTIONS
1.Unit does not start at Normal or Boost position.	• Check breaker or fuse in main distribution panel. • Check there is 120V at the electrical outlet. • Make sure the unit main switch is properly set in Normal or Boost position. • If a wall control is connected, disconnect control wire from the unit, then make sure the unit main switch is properly set in Normal position.
2. Unit does not run at Normal speed, but runs at Boost.	• If a wall control is used, disconnect control wire from the unit. Then, if the unit runs at Normal speed, check control wiring and wall control connections.
3. Unit is not operating as per the selected mode.	• Check if the unit main switch is in “Normal/Remote” position. • Check wall control wiring.
4. Wall control indicators do not work properly or not at all.	• Check wall control wiring.
5. On 04391 / 05536 wall control only, 1 or 2 light indicators flash every second.	• Check if the unit main switch is in “Normal/Remote” position. • Check wall control wiring.

If the problem is still not solved, call your installer or the nearest approved Service Center.
Also, you can reach the Customer Service Department at the following toll free telephone number: 1 800 567-3855.

10. WARRANTY

WARRANTY

Venmar Ventilation inc. and vänEE Canada warrant to the original consumer purchaser of their products, that such products will be free from defects for a period of two (2) years, from date of original purchase.

THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. VENMAR VENTILATION INC. AND VÄNEE CANADA WILL NOT BE HELD RESPONSIBLE FOR ANY CLAIMS OVER THE ORIGINAL PURCHASE PRICE OF A **WHOLE-HOUSE HEPA AIR PURIFIER SYSTEM**, NOR HELD RESPONSIBLE FOR SUBSEQUENT DAMAGE OR INCIDENT.

During the period stated above, Venmar Ventilation Inc. or vänEE Canada will, at their opinion, repair or replace, without charge, any product or part which is found to be defective under normal use and service. THIS WARRANTY DOES NOT EXTEND TO ANY CORE FILTERS (THH 1.0 MODELS ONLY) FILTER AND PREFILTER. This warranty does not cover **a)** normal maintenance and service, **b)** any products or parts which have been subject to misuse, negligence, accident, improper maintenance or repairs made by other than Venmar Ventilation inc. or vänEE Canada or **c)** a faulty installation or installation contrary to recommended installation instructions.

The duration of any implied warranty is limited to the 2-year period as specified for the express warranty. Some states or provinces do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

VENMAR'S OR VÄNEE 'S OBLIGATION TO REPAIR OR REPLACE AT VENMAR'S OR VÄNEE'S OPTION, SHALL BE THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY. VENMAR VENTILATION INC. AND VÄNEE CANADA WILL NOT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH PRODUCT USE OR PERFORMANCE. SOME STATES OR PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights and you may also have other rights, which vary from province to another. This warranty supersedes all prior warranties.

To contact warranty service call 1-800-567-3855. In order to qualify for a warranty claim, the owner of a Venmar or vänEE whole-house HEPA air purifier system must have the model and serial number along with a proof of the original purchase date. In each case, costs for the removal of a defective part (and/or unit) and installation of a new or repaired one and travel costs are not covered by this warranty.

In case of discrepancies between the english version of the warranty and french version, the english version will prevail.

VVI, 550 Lemire Blvd., Drummondville, Qc Canada J2C 7W9